

開放骨折の治療

Open fracture

最優先は感染させないこと！！

prevention of infection is the first priority !!

感染すると患者は長期間、多大な不自由を被る
Infection make patients uncomfortable for a long time.

- 早期の抗菌薬の開始
Rapid administration of antibiotics
- 適切なデブリドマン
Quality of debridement
- 早期の適切な骨折部の固定
Early stabilization of fractures
- 早期の軟部組織再建
Early soft-tissue reconstruction

患肢温存か切断かの決定基準

Surgical Decision Making (amputation vs salvage)

[General condition]

- 年齢 Age
- 基礎疾患 Underling disease
- 合併損傷 Concomitant injury

[Local condition]

- 上肢/下肢 Upper or lower extremity
- 膝下/膝上 Below-knee or above-knee
- 足部の損傷程度 Combined with serious foot injuries
- 軟部組織損傷 Soft-tissue injury

重症外傷患者の骨折治療時期のタイミングを図る

time-window of opportunity for definitive fracture care

Day 1–4

↑ **2nd hit**
Hyperinflammation

Day 5–10

← **Time-window of opportunity!**

Week 2/3

↑ **2nd hit**
Immunosuppression

